

Korea's Single-cell analysis services to offer tumor genome profiling to researchers

16 April 2021 | News

ROSALIND, HELiXrUS, and Geninus web-based solutions partner to offer advanced biological analysis and interpretation of Single Cell Clusters in tumor genome profiling experiments



ROSALIND®, a software leader in extracting meaningful insights from diverse pools of life science data, on April 15, 2021 announced that it has partnered with two Seoul-based technology providers to enable a powerful new Single Cell data analysis solution for cancer research scientists in Asia. Geninus, a leading full-service genomics laboratory, will combine the ROSALIND platform with its Celinus™ single cell RNA sequencing service to enable expanded analysis and interpretation of data, as well as seamless sharing and collaboration across labs and geographies. HELiXrUS, a channel partnership company focused on biological big data and multi-omics, played a leading role in establishing this partnership and will provide local support services for the ROSALIND platform in South Korea and other Asian markets.

This announcement follows the recent launch of ROSALIND's new Single Cell Analysis solution at the annual Advances in Genome Biology and Technology (AGBT) meeting last month. The new analysis module, which enables web-based collaboration and the interpretation of 10X Genomics-generated single cell data, is built on the company's proven cloud-based platform that is well-known for its intuitive, fast, and easy-to-use tools for analyzing RNA-Seq, NanoString nCounter, as well as many other data types.

Geninus' Celinus™ is a single cell RNA sequencing service. It allows the direct measurement of gene expression and genetic alteration at scale with single cell resolution to quantify intracellular heterogeneity and characterize cell types, states, and cellular transition dynamics. The service includes support for Single Cell Gene Expression, Single Cell Immune Profiling, Single Nucleus Gene Expression, Single Cell Multiome ATAC, and Spatial Gene Expression (Visium).

"We are thrilled to support Geninus in providing a world-class Single Cell Analysis experience for their customers while simultaneously enabling real-time collaboration within an advanced multi-omic discovery platform," said Tim Wesselman, CEO of ROSALIND. "ROSALIND has developed its large base of users by providing powerful and automated bioinformatic

solutions that enable them to focus on their research. This new collaboration is a perfect example of how ROSALIND benefits both service providers and the scientific research customers they serve.”

The integrated analysis offering is now available to clinicians, academic researchers and pharmaceutical companies throughout South Korea and other key markets. Celinus is the latest offering from Geninus which also offers CancerSCAN® for profiling solid tumors and the LiquidSCAN® liquid biopsy assay.

“The ROSALIND Single Cell Solution enables the rapid processing of data sets and provides scientists a best-in-class experience for annotating cell clusters and performing comparisons to explore their biology,” said Dr. Woong-Yang Park, CEO of Geninus. “Additionally, this powerful platform allows us to seamlessly share and collaborate with our customers, creating an interactive and engaging experience for both them and us.”

As a spin-off company from Samsung Genome Institute, Geninus is on a mission to deliver precision cancer care through its proprietary genetic analysis solutions and big data.

HELiXrUS, Inc. is a South Korea based channel partnership company focused on biological big data and multi-omics. Through its partnership with ROSALIND, HELiXrUS will be helping the research and translational life science communities in South Korea and other key Asian markets with the most streamlined and optimized custom bioinformatics solutions.